

Rhodora

JOURNAL OF

THE NEW ENGLAND BOTANICAL CLUB

Vol. 31.

May, 1929.

No. 365.

FURTHER ADDITIONS TO THE MT. DESERT FLORA.

G. L. STEBBINS, JR.

(Plates 185 and 186)

THE island of Mt. Desert, on the Maine coast, has probably been visited by more botanists than any other equal area in the state, but by far the most thorough botanizing of this famous resort was done by Edward L. Rand. After the publication of the Rand and Redfield flora of the island, a catalogue admittedly incomplete, Mr. Rand collected extensively on Mt. Desert and the adjacent islands until 1920, and at his death in 1924, these collections, about 7000 unmounted and unnamed sheets, were left to the New England Botanical Club.

In recognition of his work, his friends, in particular Professor Horatio N. Reynolds, of New Haven, erected a tablet to his memory near Seal Harbor, in the woods which he knew and loved so well, and on the trail, that from Seal Harbor to Jordan Pond, which he travelled most in his collecting trips. Members of the New England Botanical Club and other readers of RHODORA will be interested in the photographs of this memorial, here reproduced (PLATES 185 and 186) through the generosity of one of Mr. Rand's life-long friends.

It has been the writer's pleasure for the past two years to study and identify Mr. Rand's later collection, which proved to contain many interesting additions to the varied flora of this remarkable island. Its flora is probably even yet not completely known, as is evidenced by the number of new discoveries that the writer himself has made during the past three summers.

A list of the plants in the Rand herbarium not previously reported from the island, together with a few of the writer's own collections (indicated by his initials) follows. The area in which Mr. Rand made his later collections was increased over that of the flora by the addition of Great Gott Island, a part of Long Island Plantation immediately adjoining Mt. Desert on the south, and species from this island have therefore been included among the additions to the Mt. Desert flora. A few casual garden escapes, which have plainly failed to become permanent additions to the island flora, have been omitted from this list. When collections were not made by Mr. Rand himself, the name of the collector is given.

ASPLENIUM TRICHOMANES L. Crevices in cliffs, very rare and local. Newport Mt.; Cadillac Cliffs; Barr Hill (*H. N. Reynolds*).

ATHYRIUM ANGUSTUM (Willd.) Presl. var. LAURENTIANUM Butters. Pemetic Mt.

BOTRYCHIUM ANGUSTISEGMENTUM (Pease & Moore) Fernald. Woods, Seal Harbor (*H. N. Reynolds*).

BOTRYCHIUM VIRGINIANUM (L.) Sw. Damp woods, Hunter's Brook Valley (*G. L. S., Jr.*).

[EQUISETUM PALUSTRE L. Erroneously recorded from Jordan Stream in "Wild Flowers of Mt. Desert Island" by E. T. Wherry through a misidentification by the writer.]

LYCOPodium ANNOTINUM L. var. ACRIFOLIUM Fernald. Little Harbor Brook Valley.

ISOETES MACROSPORA Dur. Somes Stream.

PICEA MARIANA (Mill.) BSP. Frequent in sphagnum heaths.

TRIGLOCHIN PALUSTRIS L. Salt marsh, Baker Island.

DIGITARIA ISCHAEMUM Schreb. Wildwood Farm, Seal Harbor.

ANDROPOGON SCOPARIUS Michx. var. FREQUENS Hubbard. Jordan Bluffs (*G. L. S. Jr.*); Shore Path, Seal Harbor (*G. L. S. Jr.*).

PANICUM MILIACEUM L. Seal Harbor.

PANICUM LINEARIFOLIUM Scribn. var. WERNERI (Scribn.) Fernald. Shore Path, Seal Harbor.

PHALARIS ARUNDINACEA L. Baker Island.

ORYZOPSIS PUNGENS (Torr.) Hitchc. Dry woods south of Picket Mt. (*G. L. S. Jr.*).

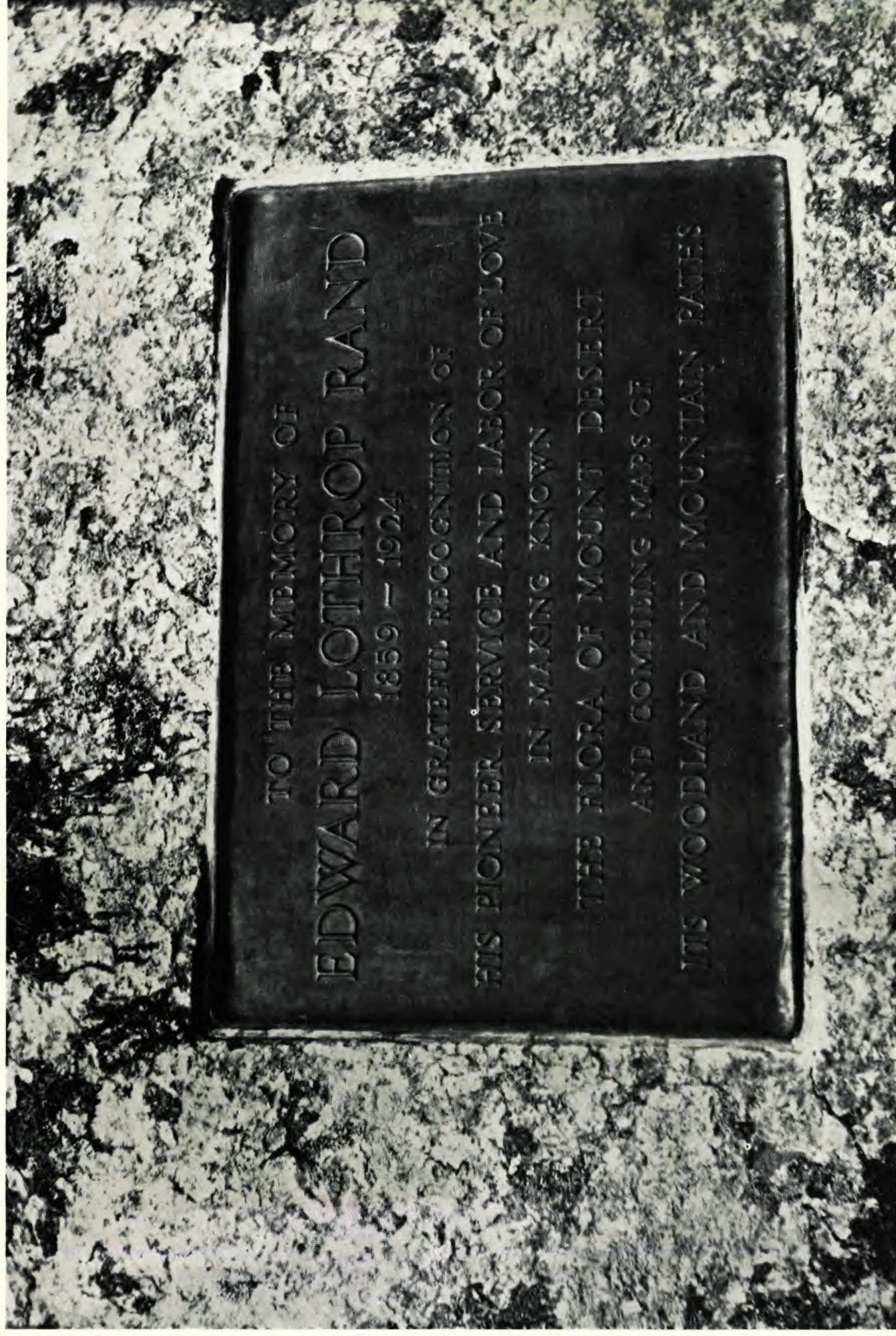
AMMOPHILA BREVILIGULATA Fernald. Sand Beach, near Great Head.

HOLCUS LANATUS L. Roadside, Mountain Drive (*G. L. S. Jr.*).

ARRHENATHERUM ELATIUS (L.) Beauv. Roadsides, Seal Harbor (*G. L. S. Jr.*).

ERAGROSTIS MEGASTACHYA (Koeler) Link. Bracy Cove.

MELICA STRIATA (Michx.) Hitchc. Woods, Jordan Stream (*G. L. S. Jr.*).



MEMORIAL TABLET ON JORDAN POND TRAIL, MT. DESERT ISLAND

POA SALTUENSIS Fernald & Wiegand. Not uncommon in damp woods. Wildwood Farm Path, Seal Harbor.

Var. *MICROLEPIS* Fernald & Wiegand. Bog, between the Triad and Day Mt.

PUCCINELLIA FASCICULATA (Torr.) Bickn. Salt marsh, Great Duck Island. The second station in Maine for this plant, and the only one east of York County.

FESTUCA OVINA L. Extensively introduced as a lawn and pasture grass.

FESTUCA CAPILLATA Lam. Common in woods and fields.

FESTUCA ARUNDINACEA Schreb. Well established on Upland Road, Seal Harbor (*G. L. S. Jr.*). The first station recorded in New England for this European species.

BROMUS SECALINUS L. Seal Harbor; Long Pond Meadows; Jordan Pond.

BROMUS HORDEACEUS L. Wildwood Farm, Seal Harbor (*G. L. S. Jr.*).

BROMUS RACEMOSUS L. Seal Harbor.

BROMUS COMMUTATUS Schrad. Waste lot, Bar Harbor (*G. L. S. Jr.*).

BROMUS TECTORUM L. Wildwood Farm, Seal Harbor.

LOLIUM PERENNE L. Roadside, north end of Bubble Pond (*G. L. S. Jr.*).

AGROPYRON CANINUM var. *TENERUM* (Vasey) Pease & Moore. Frequent along the shore. Also Sargent Mt.; Green Mt.

HORDEUM VULGARE var. *TRIFURCATUM* (Schlecht.) Koern. & Wern. Foot of Long Pond.

RHYNCHOSPORA CAPITELLATA (Michx.) Vahl. South shore of Bubble Pond.

CAREX VULPINOIDEA Michx. Dump, Seal Harbor. Introduced from farther south.

CAREX LAEVIVAGINATA (Kueckenthal) Mackenzie. Clement Meadow, Seal Harbor.

CAREX SALINA var. *KATTEGATENSIS* (Fries) Almq. Great Duck Island.

CAREX LIMOSA L. Great Cranberry Island; Little Cranberry Island; Ship Harbor Heath (*C. E. & E. Faxon*).

XYRIS CAROLINIANA Walt. Seal Cove Pond; Lower Breakneck Pond.

LILIUM TIGRINUM Ker. Well established on roadside, Seal Harbor (*G. L. S. Jr.*); Great Cranberry Island (*G. L. S. Jr.*).

SISYRINCHIUM GRAMINEUM Curtis. East of Hunter's Brook; roadside near Northwest Arm, Great Pond.

CYPRIPEDIUM PARVIFLORUM Salisb. Damp woods, near Jordan Stream (*Miss E. L. Shaw*). The station for var. *PUBESCENS* in the same region (*RHODORA* 10: 145) has been destroyed.

HABENARIA MACROPHYLLA Goldie. Woods, south of Bubble Pond.

- SALIX PURPUREA L. Little Cranberry Island.
 POPULUS ALBA L. Roadside, Otter Creek (*G. L. S. Jr.*).
 OSTRYA VIRGINIANA (Mill.) K. Koch. Beech Hill (*Sam Lurvey*).
 ALNUS RUGOSA (DuRoi) Spreng. Jordan Stream, near Jordan Pond (*G. L. S. Jr.*).
 CHENOPODIUM HYBRIDUM L. West shore, Great Cranberry Island.
 SILENE ANTIRRHINA L. Beech Hill.
 Var. DIVARICATA Robinson. Seal Harbor.
 RANUNCULUS AQUATILIS L. var. CAPILLACEUS DC. Pray's Brook.
 ACTAEA RUBRA (Ait.) Willd. Woods, east of Bald Peak.
 Forma NEGLECTA (Gilman) Robinson. Woods, near Sand Beach.
 BERTEROA INCANA (L.) DC. Southwest Harbor (*Annie S. Downs*).
 ALYSSUM ALYSSOIDES L. Bar Harbor.
 LEPIDIUM APETALUM Willd. Frequent in waste places.
 LEPIDIUM CAMPESTRE (L.) R. Br. Bar Harbor.
 CAMELINA SATIVA (L.) Crantz. Near Denning Brook, Somesville.
 CAMELINA MICROCARPA Andrzej. Seal Harbor.
 CONRINGIA ORIENTALIS (L.) Dumort. Near Denning Brook, Somesville; Great Cranberry Island.
 SISYMBRIUM ALTISSIMUM L. Seal Harbor; Southwest Harbor.
 ERYSIMUM CHEIRANTHOIDES L. Seal Harbor; Bar Harbor.
 ARABIS DRUMMONDI Gray. East side of Dog Mt. (*G. L. S. Jr.*).
 RESEDA ALBA L. Wildwood Farm, Seal Harbor.
 DROSEROTA ROTUNDIFOLIA var. COMOSA Fernald. Sandy shores, Jordan Pond (*G. L. S. Jr.*). The only known station in New England for this interesting variety.
 SORBARIA SORBIFOLIA (L.) R. Br. Escaped to roadside, near Oak Hill.
 AMELANCHIER BARTRAMIANA (Tausch.) Roem. Green Mt.; Great Cranberry Island.
 CRATAEGUS COLUMBIANA Howell var. BRUNETIANA (Sarg.) Eggleston. Southwest Harbor.
 CRATAEGUS ROTUNDIFOLIA Moench. Juniper Cove.
 CRATAEGUS BRAINERDI Sarg. Sand Beach, near Great Head.
 CRATAEGUS MACRACANTHA Lodd. Somesville.
 ROSA RUGOSA Thunb. Common in cultivation, and escaping to beaches. Great Cranberry Island; Baker Island; Great Gott Island.
 PRUNUS DEPRESSA Pursh. Cliffs, Jordan Mt. (*G. L. S. Jr.*); Picket Mt. (*G. L. S. Jr.*).
 PRUNUS NIGRA Ait. Somesville.
 GENISTA TINCTORIA L. Bar Harbor (*Schenck*).
 MEDICAGO SATIVA L. Seal Harbor.
 VICIA HIRSUTA (L.) S. F. Gray. Somesville.
 VICIA VILLOSA Roth. Seal Harbor (*G. L. S. Jr.*).
 APIOS TUBEROSA Moench. Bar Harbor; west shore of Great Pond.
 EUPHORBIA MACULATA L. Schooner Head Road, Bar Harbor. Probably introduced from farther south.

EUPHORBIA PEPLUS L. Weed in garden, Seal Harbor (*G. L. S. Jr.*).

ILEX VERTICILLATA var. TENUIFOLIA (Torr.) Wats. Jordan Pond; Great Cranberry Island.

Var. CYCLOPHYLLA Robinson. Jordan Mt.

Var. PADIFOLIA (Willd.) T. & G. Seal Harbor.

VIOLA RENIFOLIA Gray var. BRAINERDII (Greene) Fernald. Woods, Jordan Stream.

The "*V. blanda* var. *renifolia*" of the Rand & Redfield Flora is *V. incognita* Brainerd. *V. nephrophylla* Greene was erroneously included in Wherry's "Wild Flowers of Mt. Desert" through a misidentification of this specimen by the writer.

OENOTHERA PARVIFLORA L. Seal Harbor; near Hunter's Beach; Bracy Cove.

OENOTHERA LACINIATA Hill. Jordan Pond Road, Seal Harbor. Introduced from farther south.

OENOTHERA PRATENSIS (Small) Robinson. Seal Harbor (*Mrs. Sarah W. Boggs*). Probably introduced from farther west.

MYRIOPHYLLUM TENELLUM Bigel. Bubble Pond; Eagle Lake; Seal Cove Pond.

OSMORHIZA LONGISTYLIS (Torr.) DC. Somesville.

VACCINIUM CANADENSE forma CHIOCOCCUM Deane. Seal Harbor.

× LYSIMACHIA PRODUCTA (Gray) Fernald. Frequent in wet ground, with its parents.

LYSIMACHIA NUMMULARIA L. Escaped from garden, Somesville.

PENTAGLOTTIS SEMPERVIRENS (L.) Tausch. Seal Harbor. The only reported occurrence of this European species in North America, but probably only a casual introduction, as careful search has failed to reveal it in recent years.

VERBENA HASTATA L. Duck Brook Meadows.

VERBASCUM PHLOMOIDES L. Head of Northeast Harbor.

LINARIA REPENS Mill. Great Cranberry Island. Probably an escape, not seen in recent years.

PLANTAGO MAJOR L. var. INTERMEDIA (Gilibert) Dcne. Salt marshes, Great Cranberry Island; Little Cranberry Island; Baker Island.

Var. ASIATICA (L.) Dcne. Woods, Seal Harbor.

No specimen of *P. Rugelii* Dcne. was found in the Rand Herbarium, and it is likely that his report of this species (*RHODORA* 10: 145) was based on the specimen here cited.

ASTER NOVAE-ANGLIAE L. Escaped from cultivation, Bar Harbor.

ANTENNARIA PARLINII Fernald. Somesville.

ANTENNARIA CANADENSIS Greene. Seal Harbor (*Mrs. Sarah W. Boggs*).

Var. RANDII Fernald. Common.

- ANTENNARIA PLANTAGINIFOLIA (L.) Richards. Southwest Harbor.
 ANTENNARIA FALLAX Greene. Somesville.
 ANTENNARIA OCCIDENTALIS Greene. Roadside near High Head.
 ANTENNARIA NEODIOICA Greene. Seal Harbor; Somesville.
 Var. GRANDIS Fernald. Somesville.
 Var. ATTENUATA Fernald. Common.
 Var. CHLOROPHYLLA Fernald. Somesville; Town Hill; near Jordan Pond; near Northwest Arm, Great Pond.
 ANTENNARIA NEGLECTA Greene. Frequent in fields.
 ANTENNARIA PETALOIDEA Fernald. Bar Harbor; Southwest Harbor.
 Var. SUBCORYMBOSA Fernald. Seal Harbor.
 HELIOPSIS SCABRA Dunal. Bar Harbor (*Kate Furbish*); Seal Harbor. Introduced from farther west.
 HELIANTHUS LAETIFLORUS Pers. Roadsides, Otter Creek (*G. L. S. Jr.*). Escaped from cultivation.
 MATRICARIA SUAVEOLENS (Pursh) Buchenau. A common weed.
 CHRYSANTHEMUM SEGETUM L. Seal Harbor.
 TUSSILAGO FARFARA L. Great Gott Island.
 CIRSIUM MUTICUM Michx. Baker Island.
 CENTAUREA NIGRA L. Seal Harbor.
 Var. RADIATA DC. Seal Harbor.
 CENTAUREA MACULOSA Lam. Beech Hill.
 LAPSANA COMMUNIS L. Seal Harbor; roadside, The Gorge.
 SONCHUS ARVENSIS L. Seal Harbor.
 HIERACIUM PILOSELLA L. Recently introduced, but now widespread.
 HIERACIUM FLORIBUNDUM Wimm. & Grab. Common.
 HIERACIUM PRATENSE Tausch. Too common.
 HIERACIUM MURORUM L. Seal Harbor (*Miss E. L. Shaw*).
 HIERACIUM VULGATUM Fries. Road to Sieur de Monts Spring, Bar Harbor (*G. L. S. Jr.*).

The writer acknowledges with thanks the aid of Professor M. L. Fernald, under whose direction the specimens of the Rand Collection were identified, and of Miss Elsie L. Shaw and Professor Horatio N. Reynolds, who showed the writer some of the stations for the plants listed, from which verification of the records was obtained.

The following are articles in RHODORA and other publications in which additions to the Mt. Desert flora have been published.

- CHAMBERLAIN, E. B. Meeting of the Josselyn Botanical Society. RHODORA 10: 172.
 FASSETT, N. C. A Plant New to Mt. Desert. *Ibid.* 29: 253.
 RAND, E. L. Pinus Banksiana in Eastern Maine. *Ibid.* 1: 135.
 Plants from the Duck Islands, Maine. *Ibid.* 2: 207.
 Galinsoga in Maine. *Ibid.* 5: 258.
 Arceuthobium pusillum at Mt. Desert. *Ibid.* 9: 75.
 Additions to the Plants of Mt. Desert Island. *Ibid.* 10: 145.
 Subularia aquatica on Mt. Desert Island. *Ibid.* 11: 155.